IN THE CLAIMS

1-110. Cancelled

111. (Currently amended) A computer-implemented method for converting multi-media content into a plurality of target formats, the method comprising the acts of:

    receiving one or more input multi-media content files;

    automatically ~~decomposing~~ identifying multi-media type primitive components in each of said plurality of input multi-media files ~~into multi-media type primitive components~~;

    automatically decomposing each of said multi-media type primitive components into sub-components;

    automatically converting each of said ~~multi-media type primitive~~ sub-components into corresponding intermediate format components; ~~and~~

    integrating said intermediate format components into a single output presentation file corresponding to each target format of said plurality of target formats; and

    adjusting said output presentation file to fit bandwidth requirements of each selected output device.

112. (Previously presented) The computer-implemented method of Claim 111, wherein said multi-media type primitive components include one or more primitive types selected from a set of primitive types comprising:

        audio primitive type;

        video primitive type;

        animation primitive type;

        text primitive type;

        picture primitive type;

        graphic primitive type; and

supporting primitive type.

113. cancelled

114. (Currently amended) The computer-implemented method of Claim 111, further comprises <u>automatically</u> adapting said single output presentation file corresponding to each target format for viewing by a third party using different networking technologies, including wired, guided or line-of-sight optical, and radio frequency networking over any network including a wide area network, a local area network, a wireless network, a public switched telephone network, and the Internet.

115. (Previously presented) The computer-implemented method of Claim 111, further comprises requiring monetary remuneration in exchange for converting said multi-media content into said plurality of target formats.

116. (Previously presented) The computer-implemented method of Claim 111, further including one or more acts selected from a set of acts comprising:
checking said one or more input multi-media files for viruses and errors;
performing de-virusing on said one or more input multi-media files, if needed;
performing error-correction on said one or more input multi-media files, if needed;
using one or more data recognition algorithms for identifying said multi-media type primitive components;
adding timing information for integrating said intermediate format components; and
adding presentation support information for integrating said intermediate format components.

117. (Currently amended) A multi-media conversion and integration system, the system comprising:

an input handler for de-virusing, correcting, updating, and compressing one or more input multi-media files;

a publishing manager module for controlling and scheduling conversion and integration processes associated with producing a final output file corresponding to each target format of a plurality of target formats;

a transformation module for:

automatically ~~decomposing~~ identifying multi-media type primitive components in each of said plurality of input multi-media files ~~into multi-media type primitive components~~;

automatically decomposing each of said multi-media type primitive components into sub-components;

automatically converting each of said ~~multi-media type primitive~~ sub-components into corresponding intermediate format components;

integrating said intermediate format components into a single output presentation file corresponding to each target format of said plurality of target formats; and

an output device building module for adapting and routing said final output to corresponding output devices, wherein adapting includes adjusting said output presentation file to fit bandwidth requirements of each selected output device.

118. (Currently amended) A computer-readable medium carrying one or more sequences of instructions for converting multi-media content into a plurality of target formats, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform:

receiving one or more input multi-media content files;

automatically ~~decomposing~~ identifying multi-media type primitive components in each of said plurality of input multi-media files ~~into multi-media type primitive components~~;

automatically decomposing each of said multi-media type primitive components into sub-components;

automatically converting each of said ~~multi-media type primitive~~ sub-components into corresponding intermediate format components; ~~and~~

integrating said intermediate format components into a single output presentation file corresponding to each target format of said plurality of target formats; and

adjusting said output presentation file to fit bandwidth requirements of each selected output device.

119. (Currently amended) A multi-media conversion and integration system, the system comprising:

means for receiving one or more input multi-media content files;

means for automatically ~~decomposing~~ identifying multi-media type primitive components in each of said plurality of input multi-media files ~~into multi-media type primitive components~~;

means for automatically decomposing each of said multi-media type primitive components into sub-components;

means for automatically converting each of said ~~multi-media type primitive~~ sub-components into corresponding intermediate format components; ~~and~~

means for integrating said intermediate format components into a single output presentation file corresponding to each target format of said plurality of target formats; and

means for adjusting said output presentation file to fit bandwidth requirements of each selected output device.